

Texas Water Development Board

OLA ID 440250

PIF No. Not Assigned Yet

Entity Name: Stephenville

Project Name: Eastside Sewer Project

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Submittal

General Information

Project Information

Funding Type: CWSRF

Project Category: POTW

CWSRF Entity Type: SUBDIVISION

Contact Information

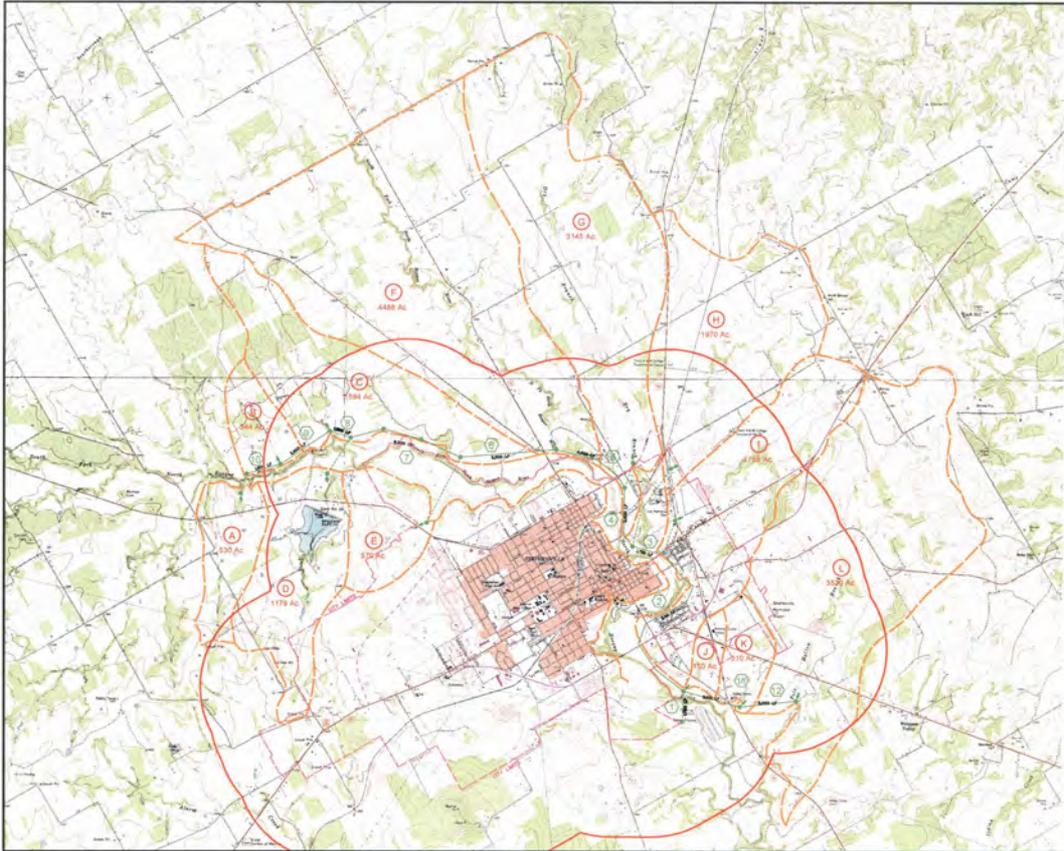
County: Erath

Entity Contact Information	Engineering Firm Contact Information
Name of Entity: Stephenville	Name of New Entity:
Prefix: Mr.	Prefix: Mr.
First Name: Nick	First Name: Sanford P.
Last Name: Williams	Last Name: LaHue, Jr., P.E.
Addr 1: 298 West Washington	Addr 1: 1161 Corporate Drive West #200
Addr 2:	Addr 2:
City: Stephenville	City: Arlington
State: TX	State: TX
Zip: 76401-4257	Zip: 76006-0000
Phone: (254) 918-1223	Phone: (817) 649-3216
Fax:	Fax: (817) 649-7645
Suffix:	Suffix:
OrgName:	OrgName:
DeptName: Public Works	DeptName:
Title: Director of Public Works	Title: Project Engineer
Email: nwilliams@stephenvilletx.gov	Email: slahue@sradesign.com
	Firm Name: Schrickel, Rollins, & Associates, Inc.
Make Changes: Y	Make Changes: Y
No Entity TxWISE Id	No Engineering TxWISE Id

Service Area

Population Served: 21,640

Total Household Connections: 5,083



DRAINAGE BASIN AREAS



Schrickel, Rollins and Associates, Inc.
Landscape Architecture - Civil Engineering - Planning
1841 Corporate Drive West Phone: 817.649.1276
Suite 200 Metro: 817.649.8212
Arlington, Texas 76006 Fax: 817.649.7445
SRA JOB No. 4805

Project Description

Project Name: Eastside Sewer Project

Project Short Desc: Transfer of approximately 30% of sanitary sewer collection system loading, eliminating a critical capacity burden downstream and relieving SSO's on the existing collection system. Reuse from WWTP to City Park and future growth. Expansion of collection system to City Airport to promote economic development and system extension to underserved areas under construction and un-served areas along the 281 corridor. The project result will open up approximately 19,000 acres east, north and northwest of the current service area to accommodate increased demand from the growing business industry and Tarleton State University.

Project Long Desc: Executive Summary

The Eastside Sewer project will provide a sanitary sewer main and laterals to areas generally east and north in the City of Stephenville. The project name comes from the proposed utility layout following the east side of the Bosque River. The project will eliminate a critical capacity burden on the existing sanitary sewer collection system and simultaneously serve potential developments of approximately 19,000 acres (30 square miles) east, north and northwest of the current service area. The construction of the proposed collector system will be structured in phases: Phase 1 (Load Transfer Phase); Phase 2 (Airport Expansion Phase); and Phase 3 (281 Corridor Phase).

Background

The 2004 Comprehensive Master Plan identified the existing Stephenville sanitary sewer system as not adequate to support growth in the areas east and north of the city. Recommendations outlined in the plan included enlarging and/or paralleling the existing major sewer lines along the North Bosque River. Since the existing sewer lines are located within developed areas, construction of new or enlarged sewer lines will be highly disruptive and extremely expensive. Shallow depths and inadequate size of the existing sewer lines also limits the potential for extending new sewer lines to future service areas. In 2015, an updated sewer system analysis revealed the current collector system as inadequate to support recent additions to the system, primarily due to expansion at Tarleton State University.

Summary of Project Phases

Phase 1 - Load Transfer Phase

Phase 1 (Load Transfer Phase) includes a dedicated lift station at the wastewater treatment plant (WWTP) and a new collector sewer line, varying in sizes from 48-inch to 30-inch diameter, extending from the WWTP to a load transfer point on Crow Street. The Load Transfer connection in Phase 1 will allow two existing fifteen-inch lateral mains, carrying approximately 30 percent of the city's total sanitary sewer collection system loading, to be tied onto the Eastside Sewer trunk main effectively relieving an existing section of aged, undersized, clay collection system piping

with brick manholes. Phase I will greatly reduce the current inflow and infiltration issues and sanitary sewer overflows as well as, reduce the capacity burden on the existing 30-inch trunk main to the WWTP.

Also, several recent student housing expansions on the Tarleton State University (TSU) main campus have forced the city to upsize existing collection system piping from the main campus to the previously mentioned existing 30-inch trunk main in the City Park with the installation of a 21-inch Tarleton Methodist Branch Sanitary Sewer Relief Line. Phase 1 will eliminate the capacity overburden concerns on the existing sanitary sewer collection system while simultaneously providing the university with a dedicated sanitary sewer service trunk main which will complement the university's master development plan.

Phase 2 - Airport Expansion Phase

Funded and scheduled to begin in 2017, the city's airport runway will expand from 4,200 feet to 5,000 feet in length. Phase 2 (Airport Expansion Phase) includes the extension of a sanitary sewer main from the WWTP to U.S. Hwy. 67 to encourage and accommodate growth near the Stephenville Clark Regional Airport, along the Highway 67 and Highway 281 corridors. Phase 2 is anticipated to be bid as an alternate with the Phase 1 bid package to capitalize on an economy of scale, if bid prices permit.

Phase 3 – 281 Corridor Phase

Phase 3 (281 Corridor Phase) includes the extension of the trunk main from the Load Transfer Point in Phase 1 to State Highway 8 / Lingleville Road, on the north side of and parallel to the Bosque River in order to open vast service basin areas to the north of Stephenville. Phase 3 includes lateral lines to service a 400-unit multi-family housing complex and development of Tarleton's College Farm, both currently under construction, as well as, and an unserved future business park area. Phase 3 is also anticipated to be bid as an alternate with the Phase 1 bid package to capitalize on an economy of scale, if bid prices permit.

Wastewater Treatment Plant (WWTP) Water Reuse Line

Construction of the Eastside Sewer will also allow for the simultaneous construction of a non-potable, PVC "purple pipe" reuse line. Phase 1 would initiate at the WWTP and would parallel Phase 1 (Load Transfer Phase) to provide non-potable water irrigation service to the Stephenville City Park. The reuse line would continue to parallel Phase 1 to the Crow Street Load Transfer Point and would continue with Phase 3 to a local golf course as well as further north to provide process water use for potential commercial and industrial business development in the US 281 and SH 8 / Lingleville Road corridor. Phase 1 of the reuse project, including piping and remote pressurization is estimated at approximately \$1,000,000. A second phase of reuse line would be considered, as funding allows, to service an existing golf course, the future business park area and future development on the north side of Stephenville.

Projected Cost

Phase 1 – Load Transfer Phase

The preliminary, estimated cost breakdown for Phase 1, including the WWTP Lift Station, the Bosque River crossing, 48-inch, 36-inch and 30-inch collection system piping, Reuse Piping and Pressurization, and Easement Acquisition is estimated as \$10,000,000.

Phase 2 – Airport Expansion Phase

The preliminary, estimated cost breakdown for Phase 2, including 18-inch collection system piping as well as Easement Acquisition is estimated as \$2,500,000.

Phase 3 – 281 Corridor Phase

The preliminary, estimated cost breakdown for Phase 3, including 18-inch lateral lines to U.S. 281 and SH 8 as well as Easement Acquisition and professional Services is estimated as \$3,800,000.

Projected Cost Breakdown

Phase 1 Load Transfer Phase \$10,000,000

Phase 2 Airport Expansion Phase \$2,500,000

Phase 3 281 Corridor Phase \$3,800,000

The estimated Grand Total project cost is \$16,300,000.

Potential Funding Sources

Potential funding sources have been explored in several agencies including the Texas Water Development Board, the US Department of Agriculture and the Texas Department of Agriculture investigating funding programs such as state drinking water funds, general obligation loan programs, and state revolving funds.

The table below summarizes the agencies, programs, amounts, and status of potential funding sources.

Agency	Program	Program Type	Amount	Application Status
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USDA	Rural Development	Loan	N/A	Not Eligible
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TDA	CDBG	Grant	N/A	Not Eligible
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TDA	Texas Capital Fund	Loan	N/A	Not Eligible
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TWDB	D-Fund	Loan	\$16,300,000	Not Submitted, i = 2.65%
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TWDB	CWSRF	Loan	\$16,300,000	Submitted, i = 1.46%
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The city was determined to be ineligible for USDA Rural Development program funding due to a population size in excess of 10,000. Eligibility for Community Development Block Grant (CDBG) funding requires the area to benefit to house residents that are of primarily, greater than 51%, low-moderate income. Eligibility for use of the Texas Capital Fund, an economic development program tool, is utilized for public infrastructure necessary to assist a business that commits to create and/or retain permanent jobs. The Texas Water Development Board (TWDB) D-Fund was not pursued as the posted interest rate was significantly higher than that of the Clean Water State Revolving Fund (CWSRF) program.

The city met with representatives from the Texas Water Development Board TWDB on May 6, 2016 and an application for the CWSRF was submitted. The city received an invitation to apply for the SFY17 cycle, but after learning all of the principle forgiveness funds had been allocated, decided to reapply for the SFY18 funding cycle.

Interest rates posted by the TWDB and were listed as 1.46% for a 20 year term as of 02/28/2017. The CWSRF program includes a loan origination charge of 1.85% of the principal.

Wastewater Treatment Plant (WWTP) Expansion

As segments of the proposed Eastside Sewer Collector are constructed and development along the newly served basins occurs, the increased flows to the existing Wastewater Treatment Plant (WWTP) will need to be monitored and a phased WWTP expansion will need to be evaluated.

Project Status

An Eastside Sewer Study has been completed showing the preliminary layout and identifying drainage basin areas. The Stephenville City Council approved a Professional Services Agreement to provide construction plans and specifications for all phases on January 5, 2016.

The City of Stephenville is serious about the Eastside Sewer Project and continues to show due diligence and commitment as, at a Special Council Meeting on Thursday, February 23, 2017, the Stephenville City Council secured project Professional Service Agreements for Project Management Services, including an Environmental Assessment, Financial Advisory Services as well as Bond Counsel Services.

What is the need for the proposed project? Please describe any current Health and Compliance Factor and/or MCL Violations and physical deficiencies.: The current sanitary sewer collection system is aged, undersized and bottlenecks. Failure to perform project will cause capacity issues with Stephenville's existing 30-inch main due to Tarleton State University expansions. See attached exhibit and presentation. Stephenville is also currently under an SSOI Agreement with TCEQ.

Rating Criteria POTW

A. Enforcement Action

Is the work required by a schedule that is imposed by court order, EPA administrative order, TCEQ Notice of Enforcement or Agreed Order, or participation in the TCEQ's SSO Initiative?: Y

B. Unserved Area

1. Does the project involve extending service (centralized or alternative system) to populated areas of an existing developed community that are not served by a centralized collection system?:
2. Has a public health official found that a nuisance dangerous to public health and safety exists resulting from water supply and sanitation problems in the area to be served by the proposed project?

Only the most recent letters (last ten (10) years) will be accepted. To determine your local designated public health official, you can search a list of public health officials.

If "Yes," attach a letter from a Designated Agent licensed by the TCEQ or a registered sanitarian from the Texas Department of State Health Services that documents the nuisance.:

3. If the proposed project is providing service to areas currently using on-site sewage facilities (OSSF), please provide the number of on-site systems to be removed from service.: 0

C. Watershed Protection Plan

Is a water body impacted by the proposed project listed in a Watershed Protection Plan that is under development or has been accepted by the TCEQ or TSSWCB?

If "Yes," attach the cover page, table of contents, and highlighted page(s) from the plan that clearly identify(ies) the water body and how the project will implement an element of the plan.

Please visit the Texas State Soil and Water Conservation Board site for a detailed list of Watershed Protection Plans.:

D. Innovative and Alternative

1. Will the project include innovative or alternative collection or treatment technology, as defined below?

- Alternative Technology Proven wastewater management techniques that provide for the reclaiming and reuse of water, productively recycle wastewater constituents, or recover energy. Specifically, alternative technology includes land application of effluent and sludge, aquifer recharge, aquaculture, direct reuse, horticulture, revegetation of disturbed land, containment ponds, sludge composting and drying prior to land application, self-sustaining incineration, methane recovery, individual and onsite systems, and small diameter pressure and vacuum

sewers and small diameter gravity sewers carrying partially or fully treated wastewater.

- Innovative Technology Nonconventional methods of treatment, such as rock reed, root zone, ponding, irrigation, or other technologies, which represent a significant advance in the state of the art.: Y

2. For stormwater projects required under an NPDES permit, will the proposed project treat or minimize urban stormwater pollution discharges using any of the following innovative approaches: decentralized or distributed stormwater controls; low impact development technologies and nonstructural approaches; stream buffers; wetland restoration and enhancement; actions to minimize the quantity of and direct connections to impervious surfaces; or soil, vegetation, or other permeable materials?

Note: Stormwater projects that are not specifically part of a NPDES permit may be considered NPS projects. For additional information, contact Financial Assistance, (512) 463-0991, financial_assistance@twdb.texas.gov.

E. More Stringent Effluent Limits

Does the project involve more stringent permit limitations? This can include conversion to a no-discharge or partial reuse facility to avoid a higher level of treatment.

If "Yes," attach a copy of the new discharge permit or a letter from the TCEQ stating the new limits.:

F. Regional Projects

1. Does the project result in removing one or more existing WWTPs from service, thereby reducing the number of plant outfalls?: N

2. Is the project a trunk sewer that will convey wastewater from a plant that will be removed from service to an existing treatment plant?: N

3. Is the project a trunk sewer to an existing or developing area that will convey wastewater to an existing WWTP, thereby avoiding the construction of a separate treatment facility?: Y

4. Will the project expand an existing regional facility to receive flow from another community rather than create or continue use of a separate wastewater treatment facility?:

G. Will a majority of the funds being requested from the SRF for the project be used to implement measures to reduce the demand for publically owned treatment works capacity through water conservation, efficiency, or reuse?: N

H. For a qualified nonprofit entity only, (an entity having Federal tax-exempt status), will a majority of the funds being requested from the SRF for the project be used to implement assistance to owners and operators of small and medium publicly owned treatment works to either (a) plan, develop, and obtain financing for eligible CWSRF projects, including planning, design, and associated preconstruction activities; or (B) assist such treatment works in achieving compliance

with the Federal Water Pollution Control Act (FWPCA)?: N

I. Wastewater Treatment Plant Parameters

1. Does the project result in abandoning or relieving a WWTP and diverting flow to another facility?: N

WWTP Name: City of Stephenville WWTP

TCEQ Permit #: WQ0010290-001

NPDES #: WQ0010290001

No-Discharge Facility?: N

If "No," identify the Discharge Segment: 1255 Brazos River Basin

	Current Permit Limits	Proposed Permit Limits
Average Daily Flow (million gallons/day - MGD)	3.00	3.00
Peak 2-Hour Flow (gallons/min - gpm)	6250.00	6250.00
CBOD/BOD (mg/l)	10.00	10.00
TSS (mg/l)	15.00	15.00
Chlorination (mg/l)	1.00	1.00
Nitrogen (mg/l)	2.00	2.00
Phosphorus (mg/l)	1.00	1.00
DO (mg/l)	6.00	6.00
Dechlorination (mg/l)	0.10	0.10
Status of Permit Application	None in Progress	No Changes

Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 10, 2008

CERTIFIED MAIL - RETURN RECEIPT REQUESTED 91 7108 2133 3934 5798 2696

Mr. Nick Williams, P.E., Director of Public Works
City of Stephenville
298 West Washington
Stephenville, Texas 76118-6951

Re: Sanitary Sewer Overflow ("SSO") Initiative
City of Stephenville, Erath County
RN102081049
Enforcement Case No. 36691

Dear Mr. Williams:

On October 6, 2008, a member of our regional staff conducted a record review of the City of Stephenville to determine compliance with applicable laws and regulations pertaining to wastewater collection systems. Based on a letter dated September 23, 2008 from you, it was recommended that the City of Stephenville be placed into the Sanitary Sewer Overflow ("SSO") Initiative Program.

We propose that the Texas Commission on Environmental Quality ("Commission" or "TCEQ") and the City of Stephenville enter into the enclosed Agreement. The Agreement lists the deficiencies addressed by this action and any specific technical requirements necessary to resolve the deficiencies. Please review the Agreement, affix your signature and the date, and return it to this office within 30 days after the date of this letter. A copy of the Agreement is provided for your files. Also, enclosed for your convenience is a return envelope.

If you observe any inaccuracies in the document, please contact us immediately so that an amended Agreement can be considered within the 30-day deadline. If you have any questions, please contact Mr. J. Craig Fleming of my staff at (512) 239-5806.

Sincerely,

A handwritten signature in black ink, appearing to read "Susan Johnson", written over a horizontal line.

Susan Johnson, Manager
Enforcement Division
Texas Commission on Environmental Quality

SJ/jcf

Enclosures: Original Agreement with Attachments, File Copy, Return Envelope

cc: Mr. Sid Slocum, Manager, Water Section, Dallas/Fort Worth Regional Office, TCEQ, MC-R4

ATTACHMENT A

CONTENTS

**SANITARY SEWER OVERFLOW (“SSO”)
OUTREACH INITIATIVE AGREEMENT**

**CITY OF STEPHENVILLE
SSO AGREEMENT**

Texas Commission on Environmental Quality

AGREEMENT

CITY OF STEPHENVILLE
RN102081049
Enforcement Case No. 36691
Erath County, Texas

The Texas Commission on Environmental Quality ("Commission" or "TCEQ") is the state agency charged with enforcing TEX. WATER CODE ch. 26 (the "Code") and the regulations promulgated pursuant to the Code.

The City of Stephenville ("the City") owns and operates a wastewater collection system located in Erath County, Texas (the "System").

The City has reported 16 unauthorized discharges totaling 3,070 gallons during the period between October 12, 2006 and October 23, 2007. The majority of these discharges were due to line blockages, and to a lesser extent to storm water inflow and infiltration. The City will be required to rehabilitate the System to insure a reduction of risk to the public health and the environment and to comply with Commission requirements.

PROVISIONS

In response to these deficiencies and in an effort to eliminate the potential threat to public health, the City and the Commission have entered into an Agreement. This Agreement formalizes the commitments made by the City in its letters to the TCEQ dated March 15 and September 23, 2008 (see Attachment A). The provisions of this Agreement are as follows:

1. The Executive Director recognizes that the City has implemented the following corrective actions:
 - a. Developed a Sanitary Sewer Overflow Emergency Response Plan;
 - b. Established a Geographic Information System (GIS) to provide an inventory of installed piping and conveyance structures;
 - c. Established a Management and Maintenance System to generate reports and tracking documents, spare part inventories, maintenance schedules, and work orders;
 - d. Developed future plans through a five year Capital Improvement Project recommendations;
 - e. Prepared "as-built" drawings and specifications through Computer Aided Drafting and Design (CADD) files of plans;
 - f. Implemented a Budgeting and Accounting review system to track capital and Operation & Maintenance ("O&M") expenditures and costs;

- g. Conducted a Sanitary Sewer and Evaluation Survey (SSES);
 - h. Reviewed all relevant existing materials, previous reports, etc. concerning this project (Task 200); and
 - i. Conducted the Capacity, Management, Operation & Maintenance (“CMOM”) Self-Audit.
- 2. By December 31, 2009 for Meter Basin 010:
 - a. Begin project mobilization (Task 100). This shall include mobilization project team and coordinate startup procedures, establish personnel assignments and responsibilities, inventory equipment needs and order expendable supplies, perform pre-meter calibration, prepare mounting rings for various pipe sizes, set-up meter databases, and project information;
 - b. Conduct manhole inspections (Task 300) using temporary flow metering procedures to establish wastewater flows during dry and wet weather conditions. These flow metering procedures shall be conducted simultaneously with rain monitoring;
 - c. Conduct smoke testing (Task 700) to provide detailed information on wet weather inflow sources for each study area;
 - d. Conduct hydraulic jet cleaning (Task 800) to facilitate the internal CCTV inspection; and
 - e. Conduct a CMOM review and update; and
 - f. Evaluate 37,482 linear feet of the collection system and inspect 91 basin manholes.
- 3. By December 31, 2010:
 - a. Complete rehabilitation of Meter Basin 010;
 - b. Begin project mobilization (Task 100) for Meter Basin 007;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 007;
 - d. Conduct smoke testing (Task 700) for Meter Basin 007;
 - e. Conduct a CMOM review and update for Meter Basin 007; and
 - f. Evaluate 52,702 linear feet of the collection system and inspect 94 basin manholes for Meter Basin 007.

City of Stephenville

Agreement

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4. By December 31, 2011:
 - a. Complete rehabilitation of Meter Basin 007;
 - b. Begin project mobilization (Task 100) for Meter Basin 003;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 003;
 - d. Conduct smoke testing (Task 700) for Meter Basin 003;
 - e. Conduct a CMOM review and update for Meter Basin 003; and
 - f. Evaluate 25,256 linear feet of the collection system and inspect 67 basin manholes for Meter Basin 003.

5. By December 31, 2012:
 - a. Complete rehabilitation of Meter Basin 003;
 - b. Begin project mobilization (Task 100) for Meter Basin 008;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 008;
 - d. Conduct smoke testing (Task 700) for Meter Basin 008;
 - e. Conduct a CMOM review and update for Meter Basin 008; and
 - f. Evaluate 44,675 linear feet of the collection system and inspect 115 basin manholes for Meter Basin 008.

6. By December 31, 2013:
 - a. Complete rehabilitation of Meter Basin 008;
 - b. Begin project mobilization (Task 100) for Meter Basin 006;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 006;
 - d. Conduct smoke testing (Task 700) for Meter Basin 006;
 - e. Conduct a CMOM review and update for Meter Basin 006; and
 - f. Evaluate 131,485 linear feet of the collection system and inspect 309 basin manholes for Meter Basin 006.

7. By December 31, 2014:
 - a. Complete rehabilitation of Meter Basin 006;
 - b. Begin project mobilization (Task 100) for Meter Basin 005;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 005;
 - d. Conduct smoke testing (Task 700) for Meter Basin 005;
 - e. Conduct a CMOM review and update for Meter Basin 005; and
 - f. Evaluate 98,571 linear feet of the collection system and inspect 201 basin manholes for Meter Basin 005.

8. By December 31, 2015:
 - a. Complete rehabilitation of Meter Basin 005;
 - b. Begin project mobilization (Task 100) for Meter Basin 009;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 009;
 - d. Conduct smoke testing (Task 700) for Meter Basin 009;
 - e. Conduct a CMOM review and update for Meter Basin 009; and
 - f. Evaluate 53,894 linear feet of the collection system and inspect 103 basin manholes for Meter Basin 009.

9. By December 31, 2016:
 - a. Complete rehabilitation of Meter Basin 009;
 - b. Begin project mobilization (Task 100) for Meter Basin 002;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 002;
 - d. Conduct smoke testing (Task 700) for Meter Basin 002;
 - e. Conduct a CMOM review and update for Meter Basin 002; and
 - f. Evaluate 30,402 linear feet of the collection system and inspect 62 basin manholes for Meter Basin 002.

10. By December 31, 2017:
 - a. Complete rehabilitation of Meter Basin 002;
 - b. Begin project mobilization (Task 100) for Meter Basin 001;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 001;
 - d. Conduct smoke testing (Task 700) for Meter Basin 001;
 - e. Conduct a CMOM review and update for Meter Basin001; and
 - f. Evaluate 24,850 linear feet of the collection system and inspect 59 basin manholes for Meter Basin 001.

11. By December 31, 2018:
 - a. Complete rehabilitation of Meter Basin 001;
 - b. Begin project mobilization (Task 100) for Meter Basin 004;
 - c. Conduct manhole inspections (Task 300) for Meter Basin 004;
 - d. Conduct smoke testing (Task 700) for Meter Basin 004;
 - e. Conduct a CMOM review and update for Meter Basin 004; and
 - f. Evaluate 77,342 linear feet of the collection system and inspect 155 basin manholes for Meter Basin 004.

12. The City shall evaluate the effectiveness of its corrective actions by the number of: customer sewer complaints, stoppages, dry/wet weather overflows, cave-ins, lift station failures, and grease trap violations. The average time to respond to SSO complaints and the number of employees taking certification exams will be monitored.

13. Within 90 days of the effective date of this Agreement, and on an annual basis thereafter, the City shall submit a progress report to the Commission. These reports shall include information regarding actions taken by the City towards completion of the Provisions in this Agreement.

14. By December 31, 2019:
 - a. Complete rehabilitation of Meter Basin 004; and
 - b. Submit a written Final Report that contains the following:

- i. A summary of all corrective actions that have been completed in accordance with the Provisions in this Agreement;
 - ii. A summary of all Provisions in this Agreement that were not completed, including reasons why specific corrective actions were delayed; and
 - iii. A description of the overall improvement the corrective actions had on the System.
15. The Executive Director may grant an extension to any provisions of this Agreement upon a written and substantiated showing of good cause. All requests for extensions by the City shall be made in writing to the TCEQ. Extensions are not effective until the City receives written approval from the TCEQ. The determination of what constitutes good cause rests solely with the TCEQ.
16. The City shall submit copies of all correspondence, reports, and documentation required by Provision Nos. 2 through 14 to:

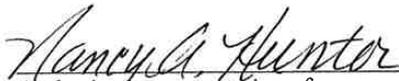
Order Compliance Team
Enforcement Division, MC 149A
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

with a copy to:

Manager, Water Section
Dallas/Fort Worth Regional Office
Texas Commission on Environmental Quality
2309 Gravel Drive
Fort Worth, Texas 76118-6951

In return for the City's agreement and adherence to these terms, the Commission will withhold further enforcement actions related to the noted deficiencies. Should unforeseen circumstances indicate a need to alter the above mentioned schedule, the City must immediately notify the Commission so that an amendment can be discussed.

The effective date of this Agreement is the signature date of the City's authorized representative. Acceptance of the terms of this Agreement is indicated by the signature below.



Authorized representative of
The City of Stephenville

2/5/09

Date

NANCY A. HUNTER

Printed name of authorized representative
for the City of Stephenville

HONORABLE MAYOR

Title

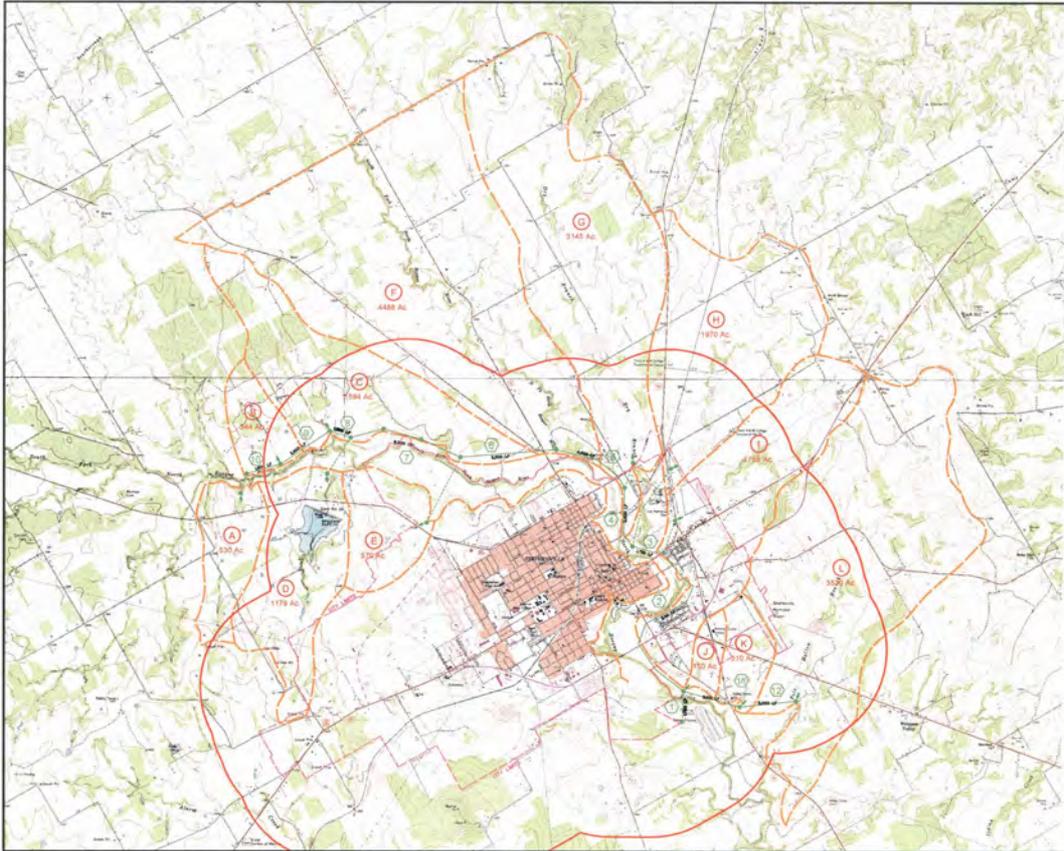


Susan Johnson, Manager
Water Enforcement Section, Enforcement Division

11/10/08

Date

Instructions: Send this signed, original Agreement to J. Craig Fleming, Enforcement Division, MC-169, Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087



DRAINAGE BASIN AREAS



Schrickel, Rollins and Associates, Inc.
Landscape Architecture - Civil Engineering - Planning
1841 Corporate Drive West Phone: 817.649.1276
Suite 200 Metro: 817.649.8212
Arlington, Texas 76006 Fax: 817.649.7445
SRA JOB No. 4805

Additional Rating Criteria

A. Will a majority of the funds being requested from the SRF for the project be used to implement innovative approaches to manage, reduce, treat, or recapture stormwater or subsurface drainage water?: N

B. Will a majority of the funds being requested from the SRF for the project be used to implement reuse or recycling wastewater, stormwater, or subsurface drainage water?: N

Rating Criteria for All Projects - Effective Management

A. Asset Management

1 a. In the past 5 years, has an asset management plan been adopted by the entity's governing body that incorporates an inventory of all assets, an assessment of the criticality and condition of the assets, a prioritization of capital projects needed, and a budget? Note: A Capital Improvement Plan (CIP) alone does not constitute an asset management plan.: N

b. If "No," is the entity planning to prepare an asset management plan as part of the proposed project? If so, include language in the Project Description that states this.: N

2. Has asset management training been administered to the entity's governing body and employees?: N

B. Water Conservation

Does the proposed project address specific targets, goals, or measures in a water conservation or drought contingency plan that has been adopted by the entity's governing body within the past five years?: N

C. Energy Efficiency

Does the proposed project address specific goals in a system-wide or plant-wide energy assessment, audit, or optimization study that has been conducted within the past three years?: N

D. Implementation of Water Plans

Does the proposed project implement elements contained in a state or regional water plan, integrated water resource management plan, regional facility plan, regionalization or consolidation

plan, finalized Economically Distressed Areas Program (EDAP) facility plan, or a total maximum daily loads (TMDL) implementation plan?: N

Green Project Information

A. Does the proposed project contain, either partially or completely, green elements as defined by the Green Project Information Worksheets?: Y

B. Enter the estimated cost of the green portion of the proposed project.: \$1,050,000

C. Describe and justify in the space below the green elements of the proposed project and, if available, attach a green business case below.: Construction of the Eastside Sewer will also allow for the simultaneous construction of a non-potable, PVC "purple pipe" reuse line. Phase 1 would initiate at the WWTP and would parallel Phase 1 (Load Transfer Phase) to provide non-potable water irrigation service to the Stephenville City Park. The reuse line would continue to parallel Phase 1 to the Crow Street Load Transfer Point and would continue with Phase 3 to a local golf course as well as further north to provide process water use for potential commercial and industrial business development in the US 281 and SH 8 / Lingleville Road corridor. Phase 1 of the reuse project, including piping and remote pressurization is estimated at approximately \$1,000,000. A second phase of reuse line would be considered, as funding allows, to service an existing golf course, the future business park area and future development on the north side of Stephenville.

Refinancing

Will CWSRF funds be used to refinance existing debt related to this project and received from a source other than the TWDB?: N

Readiness to Proceed to Construction

A. Permitting

Have permits necessary for construction been acquired; in particular, TCEQ wastewater discharge permit for wastewater treatment plant construction or wastewater reuse authorization (if applicable)?: N

* If "No," identify in the space below each federal, state, or local permit, license, or other authorizations needed for the project to proceed to construction and the status of each.:

Application to Use Domestic Reclaimed Water

Application underway

B. Land Acquisition

Have all land acquisitions and easements necessary to complete the project been obtained?: N
If "No," please explain in the space below and provide an anticipated completion date.: RFP/RFQ
for Easement/ROW Acquisition Services re-advertised with responses due to the city on
04/04/2017. Anticipate agreement award on 05/02/2017.

Completion Date: 12-31-2017

1. Have you completed the design process including full development of plans and specifications?
(If "No," proceed to Question 2. If "Yes," proceed to Question 4.): N

2. Has design work progressed beyond preliminary design?: Y
If so, please provide the anticipated completion date.: 03-31-2017

C. Design

3. Will design work be initiated after the TWDB releases design funds for this project?:

D. Environmental Review

1. Have you received a Finding of No Significant Impact (FNSI), Categorical Exclusion (CE), a
Record of Decision (ROD), or an environmental determination prepared by another entity in
compliance with the National Environmental Policy Act (NEPA) for this project? For projects that
may qualify for a FNSI, please review 31 TAC §375.63; or that require a CE, review 31 TAC
§375.52 (state) or 31 TAC §375.62 (federal); or that require a ROD, review 31 TAC §375.66; or
that have a determination by another entity, review 31 TAC §375.56 (state) or 31 TAC §375.70
(federal).: N

2. If an environmental finding has not been issued, does your project meet the criteria to receive
Categorical Exclusion as defined at 31 TAC §375.52 (state) or 31 TAC §375.62 (federal)?: N

3. Can you submit an environmental report with the completed loan application that documents
coordination with agencies has proceeded sufficiently to determine that no major issues remain?:
N

4. Will the environmental review be initiated after the TWDB releases planning funds for this
project?: Y

E. Construction Phase

Start Date (mm/dd/yyyy): 03-01-2018

Completion Date (mm/dd/yyyy): 09-30-2020

F. Project Bidding and Contracts

Will the proposed project be ready to advertise for construction bids immediately following a funding commitment for construction costs?: Y

If you are seeking reimbursement for eligible planning and/or design costs, was the work performed in compliance with applicable state law and federal crosscutters, including procurement following Disadvantaged Business Enterprise (DBE) requirements? Please visit the TWDB's DBE web page for more information.: Y

How many months will it take to close the loan after receiving a funding commitment? Projects deemed ready to proceed to construction must be able to expend funds quickly after receiving a funding commitment.: 3

Estimated Costs

Seeking planning funding: N

Seeking acquisition funding: Y

Seeking design funding: Y

Seeking construction funding: Y

Cost Category	(a) Planning	(b) Acquisition	(c) Design	(d) Construction	(e) Total (a)+(b)+(c)+(d)
POTW Project: Treatment Project	\$0	\$0	\$0	\$0	\$0
POTW Project: Collection Project	\$0	\$0	\$0	\$14,650,000	\$14,650,000
NPS Project	\$0	\$0	\$0	\$0	\$0
Estuary Management Project	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$701,000	\$0	\$701,000
General, Legal, Financial	\$0	\$900,000	\$0	\$0	\$900,000
Contingency	\$0	\$0	\$0	\$780,000	\$780,000
Other (Describe Cost)	\$0	\$0	\$0	\$0	\$0
Subtotal (Add all rows above)	\$0	\$900,000	\$701,000	\$15,430,000	\$17,031,000
Financing from Local Funds	\$0	\$0	\$701,000	\$0	\$701,000
Financing from Other Funds	\$0	\$0	\$0	\$0	\$0
Subtotal, SRF-Funded Amount	\$0	\$900,000	\$0	\$15,430,000	\$16,330,000

Green component costs as a percentage of "Subtotal, SRF-Funded Amount": 6.00%

PIF Estimated Costs - #440250

Entity Name: Stephenville
 New Entity Name: null
 Project Name: Eastside Sewer Project

Report generated by: PRODOLA\$, Tue Feb 28 15:30:03 CST 2017

Please review the estimated costs below, then sign and upload.

Signature _____



Seeking planning funding: N
 Seeking acquisition funding: Y
 Seeking design funding: Y
 Seeking construction funding: Y



2-28-17

Cost Category	(a) Planning	(b) Acquisition	(c) Design	(d) Construction	(e) Total (a)+(b)+(c)+(d)
POTW Project: Treatment Project	\$0	\$0	\$0	\$0	\$0
POTW Project: Collection Project	\$0	\$0	\$0	\$14,650,000	\$14,650,000
NPS Project	\$0	\$0	\$0	\$0	\$0
Estuary Management Project	\$0	\$0	\$0	\$0	\$0
Engineering	\$0	\$0	\$701,000	\$0	\$701,000
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Contingency	\$0	\$0	\$0	\$780,000	\$780,000
Other (Describe Cost)	\$0	\$0	\$0	\$0	\$0
Subtotal (Add all rows above)	\$0	\$900,000	\$701,000	\$15,430,000	\$17,031,000
Financing from Local Funds	\$0	\$0	\$701,000	\$0	\$701,000
Financing from Other Funds	\$0	\$0	\$0	\$0	\$0
Subtotal, SRF-Funded Amount	\$0	\$900,000	\$0	\$15,430,000	\$16,330,000

Disadvantaged Community

1. Will the community pursue disadvantaged eligibility?: Y
2. Is the Entity pursuing disadvantaged status for either the entire service area or a portion of the service area?: ENTIRE
3. Identify the sources for the socioeconomic data to be used for disadvantaged status: CENSUS
4. Standard Census Boundary or Incongruous Census?: STANDARD

Boundary Designations

Boundary	AMHI	Average Household Size	Current Population	2010 Population	Unemployment Rate	Total Household Connections
Stephenville city, Texas	\$35,015	2.49	18,387	16,940	5.9900%	5,083

5. AMHI: \$35,015
6. Average household size: 2.49
7. Current population: 18,387
8. Previous population: 16,940
9. Unemployment rate: 5.99%
12. Average Monthly Gallons per user: 2,325
13. Average Household Size: 2.49
14. Average monthly water flow per household: 5,789.25
15. Monthly Water Rate Schedule

From (gallons)	To (gallons)	Rate	Type	Per
0	12,000	\$3.95	Variable	1000
12,000	25,000	\$4.95	Variable	1000
25,000	50,000	\$6.95	Variable	1000
50,000		\$7.95	Variable	1000

16. Total of all other monthly water charges: \$0
17. Average annual water bill: \$274.41
18. Average Monthly Gallons per user: 1,279
19. Average Household Size: 2.49
20. Average monthly sewer flow per household: 3,184.71
21. Monthly Sewer Rate Schedule

From (gallons)	To (gallons)	Rate	Type	Per
0	12,000	\$3.5	Variable	1000

22. Total of all other monthly sewer charges: \$0
23. Average annual sewer bill: \$133.76

Note: This section must be submitted to be considered for Disadvantaged Community funding. Information that is not submitted as requested will not be considered. Eligibility will be determined based on information provided, and subject to final review by TWDB staff.

The Estimated Eligible Principal Forgiveness % is not a final determination; disadvantaged information is subject to TWDB staff review. Actual principal forgiveness amounts will depend upon a project's Disadvantaged determination, ranking, and the availability of funding.

Annual Loan Cost Per Customer: \$228.51

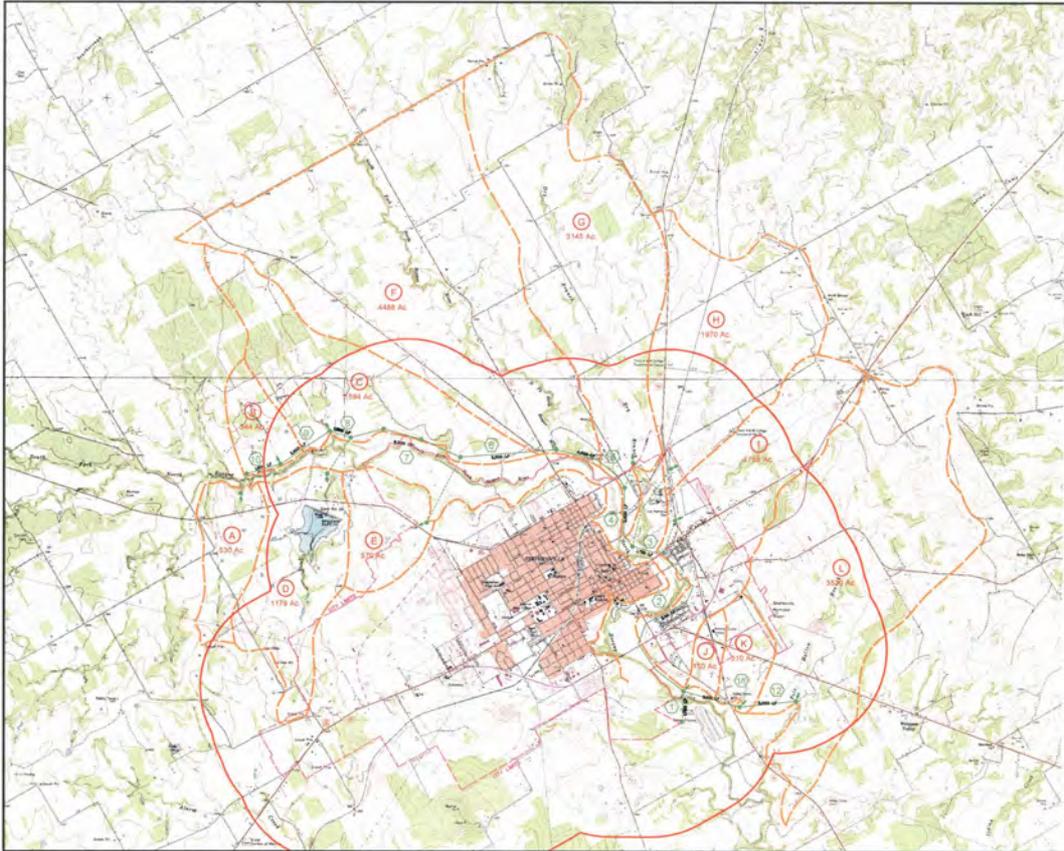
Unemployment Adjustment: 0.00%

Population Adjustment: 0.00%

Household Cost Factor: 2%

Household Cost Factor Difference: -0.18%

Estimated Principal Forgiveness: 0%



DRAINAGE BASIN AREAS



Schrickel, Rollins and Associates, Inc.
Landscape Architecture - Civil Engineering - Planning
1841 Corporate Drive West Phone: 817.649.1276
Suite 200 Mails: 817.649.8212
Arlington, Texas 76006 Fax: 817.649.7445
SRA JOB No. 4805

Additional Attachments

The following documents are attached after this page:

2017_01-09 - Fact Finder US Census Data - Poverty Level - 29.3%.pdf

2017_01-09 - Fact Finder US Census Data - MHI - \$37,825.pdf

2017_01-09 CDBG Low Moderate Income Area Data ACS-Based.pdf

2017_02-14 East Side Sewer updated.pdf

PRESENTATION - Eastside Sewer Project - 2017_02-21.pdf

2017_02-28 Eastside Sewer - Executive Summary.pdf

https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml

The screenshot shows the American FactFinder website interface. At the top, there is a navigation bar with the United States Census Bureau logo and the 'AMERICAN FactFinder' title. Below the navigation bar, a search bar contains the text 'Stephenville' and a 'GO' button. To the left of the search results is a vertical menu with various categories: Population, Age, Business and Industry, Education, Governments, Housing, Income, Origins and Language, Poverty (which is expanded), Race and Hispanic Origin, Veterans, and Show All. The main content area displays the search results for 'Stephenville city, Texas'. It features a large percentage '29.3%' representing the 'Individuals below poverty level', with a source note: 'Source: 2011-2015 American Community Survey 5-Year Estimates'. Below this, there is a section titled 'Popular tables for this geography:' which lists several data tables from the 2015 American Community Survey and the 2000 Census. The 'Poverty' category in the left menu is expanded, showing a dropdown arrow.

Stephenville city, Texas

Individuals below poverty level

[Bookmark/Save](#) | [Print](#)

29.3%

Source: 2011-2015 American Community Survey 5-Year Estimates

Popular tables for this geography:

2015 American Community Survey

- [Poverty Status in the Past 12 Months \(Age, Sex, Race, Education, Employment, ...\)](#)
- [Poverty Status in the Past 12 Months of Families \(Family Type and Size, Race, Work, Education, Children, ...\)](#)
- [People at Specified Levels of Poverty \(Age, Sex, Race, Hispanic, Education, Citizenship, Work, Disability, ...\)](#)
- [Children Characteristics \(Poverty, Public Assistance, Age, Race, School Enrollment, ...\)](#)

Census 2000

- [Selected Economic Characteristics \(Poverty, Children, Income, Employment, ...\)](#)
- [Individual Poverty Status \(Age, Sex, ...\)](#)

- [Want more? Need help? Use Guided Search or visit Census.gov's Quick Facts.](#)

https://factfinder.census.gov/faces/nav/jsf/pages/community_facts.xhtml

The screenshot shows the American FactFinder website interface. At the top, there is a navigation bar with the United States Census Bureau logo and the 'AMERICAN FactFinder' title. Below the navigation bar, there is a search bar with the text 'Enter a state, county, city, town, or zip code:' and a 'GO' button. The main content area is titled 'Community Facts - Find popular facts (population, income, etc.) and frequently requested data about your community.' On the left side, there is a vertical menu with various categories: Population, Age, Business and Industry, Education, Governments, Housing, Income (selected), Origins and Language, Poverty, Race and Hispanic Origin, Veterans, and Show All. The main content area displays the following information for Stephenville city, Texas:

- Stephenville city, Texas**
- Median Household Income** 37,825 (Source: 2011-2015 American Community Survey 5-Year Estimates)
- Popular tables for this geography:**
 - 2015 American Community Survey
 - Selected Economic Characteristics (Employment, Commute, Occupation, Income, Health Insurance, Poverty, ...)
 - Income in the Past 12 Months (Households, Families, ...)
 - Earnings in the Past 12 Months (Sex, Educational Attainment, ...)
 - Employment Status (Age, Race, Sex, Poverty, Disability, Education, ...)
 - Occupation by Sex and Median Earnings in the Past 12 Months
 - Census 2000
 - Selected Economic Characteristics (Employment, Commute, Occupation, Income, Health Insurance, ...)
 - Want more? Need help? Use Guided Search or visit Census.gov's Quick Facts.

This block provides a detailed view of the information displayed on the American FactFinder page for Stephenville city, Texas. The main heading is 'Stephenville city, Texas'. Below this, the 'Median Household Income' is prominently displayed as 37,825, with a source note: 'Source: 2011-2015 American Community Survey 5-Year Estimates'. To the right of the income value are icons for 'Bookmark/Save' and 'Print'. Below the income information, the section 'Popular tables for this geography:' lists the following tables:

- 2015 American Community Survey**
 - Selected Economic Characteristics (Employment, Commute, Occupation, Income, Health Insurance, Poverty, ...)
 - Income in the Past 12 Months (Households, Families, ...)
 - Earnings in the Past 12 Months (Sex, Educational Attainment, ...)
 - Employment Status (Age, Race, Sex, Poverty, Disability, Education, ...)
 - Occupation by Sex and Median Earnings in the Past 12 Months
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